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DEPARTMENT OF THE ARMY TECHNICAL MANUAL

ORGANIZATIONAL, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS (INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS) FOR ANTENNA GROUP AN/GRA-50 (NSN 5985-00-892-0758)

Headquarters, Department of the Army, Washington, DC
31 December 1976

Current as of 26 October 1976

REPORTING OF ERRORS

You can help improve this manual by calling attention to errors and by recommending improvements and stating your reasons for the recommendations. Your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) should be mailed direct to Commander, US Army Electronics Command, ATTN: DRSEL-MA-Q, Fort Monmouth, New Jersey 07703. A reply will be furnished direct to you.

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*This manual supersedes TM 11-5820-467-25P, 15 May 1969.

SECTION I
INTRODUCTION

1. Scope

This manual lists spares and repair parts; special tools; special test, measurement, and diagnostic equipment (TMDE), and other special support equipment required for performance of organizational, direct support and general support maintenance of the AN/GRA-50. It authorizes the requisitioning and issue of spares and repair parts as indicated by the source and maintenance codes.

2. General

This Repair Parts and Special Tools List is divided into the following sections:

a. Section II. Repair Parts List. A list of spares and repair parts authorized for use in the performance of maintenance. The list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in numeric sequence, with the parts in each group listed in figure and item number sequence.

b. Section III. Special Tools List. Not applicable.

c. Section IV. National Stock Number and Part Number Index. A list, in National item identification umber (NIIN) sequence, of all National stock numbers (NSN) appearing in the listings, followed by a list, in alphameric sequence, of all part numbers appearing in the listings. National stock numbers and part numbers are cross-referenced to each illustration figure and item number appearance.

3. Explanation of Columns

a. Illustration. This column is divided as follows:

(1) *Figure number.* Indicates the figure number of the illustration on which the item is shown.

(2) *Item number.* The number used to identify item called out in the illustration.

b. Source, Maintenance, and Recoverability (SMR) Codes.

(1) *Source code.* Source codes indicate the manner of acquiring support items for maintenance, repair, or overhaul of end items. Source codes are entered in the first and second positions of the Uniform SMR Code format as follows:

Code	*Definition*
PA	Item procured and stocked for anticipated or known usage.

NOTE

Cannibalization or salvage may be used as a source of supply for any items source coded above except those coded XA and aircraft support items as restricted by AR 700-42.

(2) *Maintenance code.* Maintenance codes are assigned to indicate the levels of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth positions of the Uniform SMR Code format as follows:

(*a*) The maintenance code entered in the third position will indicate the lowest maintenance level authorized to remove, replace, and use the support item. The maintenance code entered in the third position will indicate one of the following levels of maintenance:

Code	*Application/Explanation*
O	—Support item is removed, replaced, used at the organizational level.
F	—Support item is removed, replaced, used at the direct support level.

(*b*) The maintenance code entered in the fourth position indicates whether the item is to be repaired and identifies the lowest maintenance level with the capability to perform complete repair (i.e., all authorized maintenance functions). This position will contain one of the following maintenance codes:

Code	*Application/Explanation*
F	—The lowest maintenance level capable of complete repair of the support item is the direct support level.
Z	—Nonreparable. No repair is authorized.

(3) *Recoverability code.* Recoverability codes are assigned to support items to indicate the disposition action on unserviceable items. The recoverability code is entered in the fifth position of the Uniform SMR Code format as follows:

Recoverability codes	*Definition*
Z	—Nonreparable item. When unserviceable, condemn and dispose at the level indicated in position 3.
F	—Reparable item. When uneconomically reparable, condemn and dispose at the direct support level.

c. National Stock Number. Indicates the National stock number assigned to the item and will be used for requisitioning purposes.

d. Part Number. Indicates the primary number used by the manufacturer (individual, company, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications, standards, and inspection requirements to identify an item or range of items.

NOTE

When a stock-numbered item is requisitioned, the repair part received may have a different part number than the part being replaced.

e. Federal Supply Code for Manufacturer (FSCM). The FSCM is a 5-digit numeric code listed in SB 708-42 which is used to identify the manufacturer, distributor, or Government agency, etc.

f. Description. Indicates the Federal item name and, if required, a minimum description to identify the item.

g. Unit of Measure (U/M). Indicates the standard of the basic quantity of the listed item as used in performing the actual maintenance function. This measure is expressed by a two-character alphabetical abbreviation (e.g., ea, in, pr, etc). When the unit of measure differs from the unit of issue, the lowest unit of issue that will satisfy the required units of measure will be requisitioned.

h. Quantity Incorporated in Unit. Indicates the quantity of the item used in the breakout shown on the illustration figure, which is prepared for a functional group, subfunctional group, or an assembly.

4. Special Information

The following publication pertains to the AN/GRA-50 and its components: TM 11-5820-467-15, Antenna Group AN/GRA-50.

5. How to Locate Repair Parts

a. When National stock number or part number is unknown.

(1) *First.* Using the table of contents, determine the functional group within which the item belongs. This is necessary since illustrations are prepared for functional groups and listings are divided into the same groups.

(2) *Second.* Find the illustration covering the functional group to which the item belongs.

(3) *Third.* Identify the item on the illustration and note the illustration figure and item number of the item.

(4) *Fourth.* Using the Repair Parts Listing, find the figure and item number noted on the illustration.

b. When National stock number or part number is known.

(1) *First.* Using the Index of National Stock Numbers and Part Numbers, find the pertinent National stock number or part number. This index is in NIIN sequence followed by a list of part numbers in alphameric sequence, cross-referenced to the illustration figure number and item number.

(2) *Second.* After finding the figure and item number, locate the figure and item number in the repair parts list.

6. Abbreviations

Not applicable.

(Next printed page is 4)

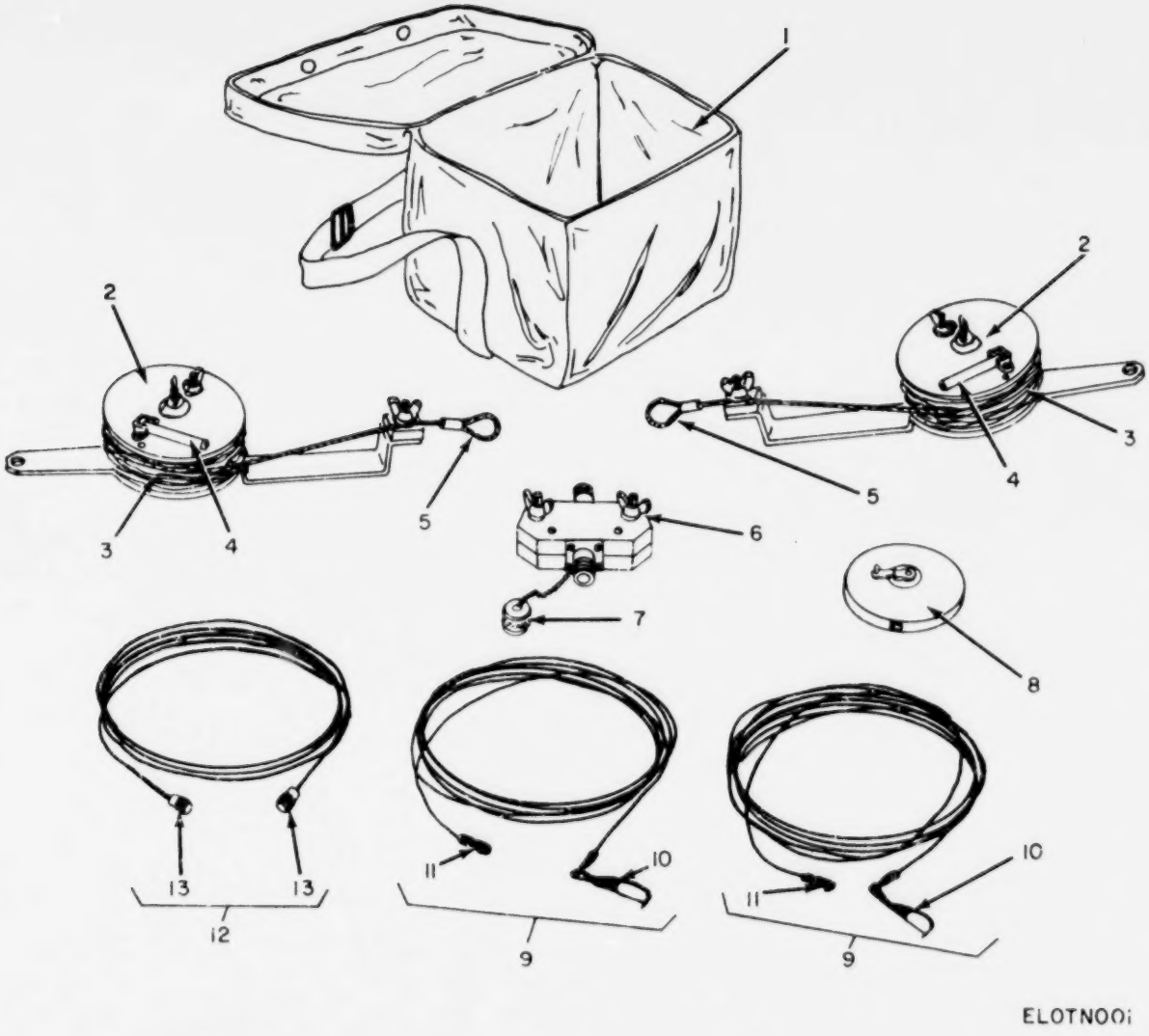

Figure 1. Antenna Group AN/GRA-50.

(1) ILLUSTRATION (a) FIG NO.	(1) ILLUSTRATION (b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 00 ANTENNA GROUP AN/GRA-50		
1	1	PAOZZ	6115-00-498-3973	BG-175	80058	BAG	EA	1
1	2	PAOZZ	5895-00-896-3179	RC-432/G	80058	REELING MACHINE,CABLE,HAND	EA	2
1	3	PAOZZ	5985-00-757-2130	CX-7303/G	80058	WIRE ASSEMBLY,ANTENNA	EA	2
1	4	PAFZZ	5820-00-355-9027	SCC34902	80063	HANDLE,REEL	EA	2
1	5	PAFZZ	5985-00-897-9668	859-101-5	03833	CLAMP,PLATE	EA	2
1	6	PAOZZ	5970-00-405-8223	IL-4/GRA-4	80058	INSULATOR	EA	1
1	7	PAFZZ	5935-00-113-0352	MX913U	80058	COVER,ELECTRICAL CONNECTOR	EA	1
1	8	PAOZZ	5210-00-897-6077	859-501	03833	TAPE,MEASURING	EA	1
1	9	PAOZZ	5985-00-893-1438	MX-2706/G	80058	HALYARD	EA	2
1	10	PAFZZ	5340-00-781-3919	5336	76786	SNAP HOOK	EA	2
1	11	PAOZZ	7810-00-853-4491	6001	73457	SINKER,FISHINGLINE,LEAD	EA	2
1	12	PAOFF	5995-00-823-2176	CG-678/U	80058	CABLE ASSEMBLY,RADIO FREQUENCY	EA	1
1	13	PAFZZ	5935-00-660-4296	UG536/U	81349	CONNECTOR,PLUG,ELECTRICAL	EA	2

STOCK NUMBER	FIGURE NO.	ITEM NO.
5935-00-113-0352	1	7
5820-00-355-9027	1	4
5970-00-405-8223	1	6
6115-00-498-3973	1	1
5935-00-660-4296	1	13
5985-00-757-2130	1	3
5340-00-781-3919	1	10
5995-00-823-2176	1	12
7810-00-853-4491	1	11
5985-00-893-1438	1	9
5895-00-896-3179	1	2
5210-00-897-6077	1	8
5985-00-897-9668	1	5

PART NUMBER	FSCM	FIG. NO.	ITEM NO.
BG-175	80058	1	1
CG-678/U	80058	1	12
CX-7303/G	80058	1	3
IL-4/GRA-4	80058	1	6
MX-2706/G	80058	1	9
MX913U	80058	1	7
RC-432/G	80058	1	2
SCC34902	80063	1	4
UG536/U	81349	1	13
5336	76786	1	10
6001	73457	1	11
859-101-5	03833	1	5
859-501	03833	1	8

By Order of the Secretary of the Army:

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DISTRIBUTION:

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